

## ABSTRACT OF THE DISCLOSURE

In a quality-of-service guaranteed media access control method with dynamic granularity control for local wireless ATM networks, reservation bandwidth is allocated in accordance with a weight-based scheduling policy.

- 5 Based on a neural-fuzzy prediction technique, the favorable bandwidth implying maximum throughput is derived. The smaller value between the reservation and the favorable bandwidth is allocated as the contention bandwidth of the frame.

FOI b6 b7C b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z